**Features**

- Ultra Miniature, Low Profile Design
- Less Than 10 dB Pass Band Insertion Loss
- 60 dB Typical Stop Band Rejection at ±500 MHz
- Fast Switching Speed - Less Than 100 nSec.
- Hermetically Sealed, Laser Welded
- Full Military Temperature Range
- MTBF Better Than 350,000 Hours

### Electrical Specifications

- **Frequency:** C-Band
- **Pass Band Frequencies:** Every 500 MHz
- **Pass Band Insertion Loss:** 6 - 10 dB
- **Pass Band VSWR:** 1.8:1, max
- **Stop Band Rejection:** 60 dBr at ±500 MHz
- **Broad Band Rejection:** 50 dBr to 10.5 GHz
- **Group Delay:** 10 nSec, max
- **Switching Speed:** 100 nSec, max
- **Control:** TTL Compatible
- **RF Power (operating):** +15 dBm, max
- **DC Power:** ±5 VDC @ +80/-30 mA

### Mechanical Specifications

- **Size:** 2.29” x 1.40” x 0.265”
- **Weight:** 0.8 oz. max.
- **RF Connectors:** Hermetic SMP (full detent)
- **DC Connectors:** EMI Filtered Solder Pins

### Environmental Specifications

- **Operating Temperature:** -54 to +85 °C
- **Environment:** Airborne

### Quality Assurance Provisions

- Class H Hybrid equivalent

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**Measured Filter Characteristics for Five Channel Switch Filter**